

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

JUERGEN WEESE ET AL

DE 000192

Serial No.

Group Art Unit

Filed: CONCURRENTLY

Ex.

Title: METHOD AND DEVICE FOR THE REGISTRATION OF IMAGES

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

10. (amended) A computer program which operates to perform a method for the registration of a series of at least three temporally successively acquired images of an object, where individual images to be registered are transformed into registered images by means of an individual mapping rule, and where a similarity measure is used to determine the mapping rule,

characterized in that a common similarity measure of all images is used to determine the mapping rules for the images to be registered, and controlling a device for the registration of a series of at least three temporally successively acquired images of an object, which device includes a storage unit for storing images and an arithmetic unit for determining individual mapping rules for the transformation of individual images to be registered into registered images, a similarity measure being used for the determination of the mapping rules, characterized in that the arithmetic unit is arranged in such a manner that a common similarity measure of all images is used to determine the mapping rules for the images to be registered.

REMARKS

The foregoing amendments to the claim was made solely to avoid filing the claim in the multiple dependent form so as to avoid the additional filing fee.

The claim was not amended in order to address issues of patentability and Applicants respectfully reserve all rights they may have under the Doctrine of Equivalents. Applicants furthermore reserve their right to reintroduce subject matter deleted herein at

a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By Michael E. Marion, Reg. 32,266  
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## APPENDIX

10. (amended) ~~A computer program for carrying out the method claimed in claim 1 and/or for controlling the device claimed in claim 8A~~ a computer program which operates to perform a method for the registration of a series of at least three temporally successively acquired images of an object, where individual images to be registered are transformed into registered images by means of an individual mapping rule, and where a similarity measure is used to determine the mapping rule, characterized in that a common similarity measure of all images is used to determine the mapping rules for the images to be registered, and controlling a device for the registration of a series of at least three temporally successively acquired images of an object, which device includes a storage unit for storing images and an arithmetic unit for determining individual mapping rules for the transformation of individual images to be registered into registered images, a similarity measure being used for the determination of the mapping rules, characterized in that the arithmetic unit is arranged in such a manner that a common similarity measure of all images is used to determine the mapping rules for the images to be registered.